



RESPONSE UNDER 37 CFR 1.116 EXPEDITED PROCEDURE

IN THE U.S. PATENT AND TRADEMARK OFFICE

September 16, 2003

Applicant(s): Kunio ARIMOTO, et al.

For: COLORED, TRANSPARENT FILM-FORMING COMPOSITION, ITS
COATING METHOD AND REMOVING METHOD OF A FILM THEREOF

Serial No.: 09/761 988 Group: 1765
Confirmation No.: 5747
Filed: January 16, 2001 Examiner: Umez
International Application No.: -
International Filing Date: -
Atty. Docket No.: OPS Case 519

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 CFR 1.132

I, the undersigned, hereby declare as follows:

I am one of the co-inventors of the invention described
and claimed in application Serial No. 09/761 988, filed on
January 16, 2001.

I hereby incorporate herein the contents of the Examples
and the Comparative Example contained on pages 10-18 of the
"clean" copy of the substitute specification.

I have conducted additional tests to illustrate the
superiority of the film-forming composition of the present
invention over the comparative film-form compositions of U.S.
Patent No. 5 063 114 to Nambu, et al.

Film-forming compositions were fabricated according to
the disclosure of Nambu, et al by mixing an acrylic silicon
based polymer (YC3623) and a hardener (BT120S) as commercial
product (1) and a second acrylic silicon based polymer (YC3372)
and the hardener (BT120S) as commercial product (2), at the

weight ratio of 10:1 of polymer to hardener, with C.I. Pigment Yellow 154, which was dispersed in dipropylene glycol monomethyl ether in an amount of 1% by weight and mixed with commercial products ① and ② at a weight ratio of 1:1.

A film-forming composition according to Example A-2 on page 11 of the "clean" copy of the present specification was prepared and C.I. Pigment Yellow 154 dispersed in dipropylene glycol monomethyl ether in an amount of 1% by weight was mixed therewith at a weight ratio of 1:1.

Identical new glass boards were pre-processed by rubbing them five times with a sponge containing a household dish washing detergent (neutral:detergent 23% including polyoxyethylene alkylether, fatty acid alkanol amide, alkyl ether sulfuric ester sodium), then washed and cleaned.

10 grams of the respective mixtures were impregnated into a non-woven cloth, coated at a temperature of 26°C and humidity of 50% on the pre-processed glass boards having dimensions of 10 cm (length) x 6 cm (width) and allowed to dry naturally. The results are shown in the following Table.

| Test Items | | Example A-2 of present invention | Commercial product ① of Nambu et al | Commercial product ② of Nambu et al |
|---|----------------------------|----------------------------------|-------------------------------------|-------------------------------------|
| Pre-processing of glass board | | Pre-processing P | Pre-processing P | Pre-processing P |
| Method of Coating | | Non-woven cloth | Non-woven cloth | Non-woven cloth |
| Coating and Painting Condition Temperature and Humidity | | 26 °C 50 % | 26 °C 50 % | 26 °C 50 % |
| Drying Condition | | Natural Drying | Natural Drying | Natural Drying |
| Hardening Method | | Room Temperature Hardening | Room Temperature Hardening | Room Temperature Hardening |
| Characteristics of Hardened Film | Film Thickness | about 3 μ | about 10 μ | about 10 μ |
| | Trace of Brush | None | Yes | Yes |
| | Color Shading | None | Yes | Yes |
| | Hardening | 2H | H | H |
| | Alkali Removing of Coating | ○ | × | × |

- Coating is removed by not more than 20 times.
- △ Coating is removed by 20 to 100 times.
- × Coating is not removed by not less than 100 times.

As can be seen by the above Table and the enclosed samples, the film-forming composition of the present invention is superior to the film-forming compositions of Nambu, et al. with respect to film thickness, brush trace, color shading, hardening and ease of removal of coating. As such, the film-forming compositions of the present invention are especially suitable for coating windows of automobiles and buildings and provide a uniform coating film which can easily be removed with an alkali.

I hereby declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application and any patent issuing thereon.

Dated: 2003/10/16 By: *Aida Fiskida*

Encl.: Coated glass sampler (3)